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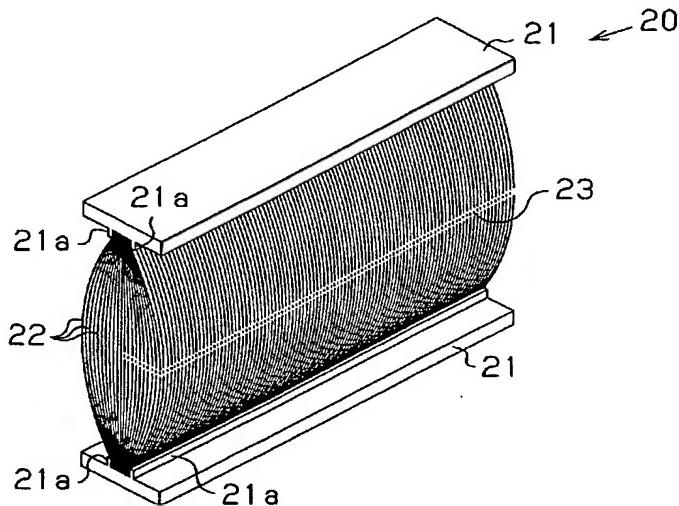
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[Continued on next page]

(54) Title: CUSHIONING MEMBER AND METHOD OF MANUFACTURING THE SAME



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(57) Abstract: A cushioning member is located between each support frame and the corresponding side of the shutter. The cushioning member (20) includes a pair of belt-shaped base members (21) and pile yarns (22) bridging between the base members (21). Some of the pile yarns (22) are cut at an intermediate portion (23) between the base members (21), which forms opposing first and second cut pile yarns with a cut in between. One of the base members (20) is attached to each support frame, and the other base member (20) contacts the shutter. The cut (23) permits the cushioning member to flexibly respond to movements of the shutter and satisfactorily exerts a cushioning function to suppress swaying of the shutter.



ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/34393

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : F16F 1/36
 US CL : 267/148

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 267/148, 134, 136; 49/91.1, 475.1, 489.1, 490.1; 428/85, 92, 93, 94

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5338382 (Johnson et al) 16 August 1994 (16.08.1994), entire document.	1-3, 19-21
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A		18
X	US 4148953 (Horton) 10 April 1979 (10.04.1979), entire document.	1-3, 19-21
—		-----
A		18
X	US 2994929 (Kessler) 8 August 1961 (08.08.1961), entire document.	1-3
—		-----
A		18

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

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04 February 2005 (04.02.2005)

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/34393

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claim Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claim Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claim Nos.: 4-17 because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

<input type="checkbox"/>
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The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.